WHAT IS CLAIMED IS:

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1. A module for receiving a function circuit, comprising:
an input surface acoustic wave circuit, located within said
module and couplable to an input of said function circuit, that
conditions an input signal provided to said function circuit; and
an output surface acoustic wave circuit, located within said
module and couplable to an output of said function circuit, that
conditions an output signal produced by said function circuit.

- 2. The module as recited in Claim 1 wherein said function circuit is selected from the group consisting of:
 - a power amplifier,
 - a low-noise amplifier,
 - an intermediate frequency amplifier, and
 - a voltage-controlled oscillator.
- 3. The module as recited in Claim 1 wherein said output surface acoustic wave circuit impedance-matches said output signal produced by said function circuit.

- 4. The module as recited in Claim 1 further comprising a common base that supports said input and output surface acoustic wave circuits and said function circuit.
- 5. The module as recited in Claim 1 further comprising a hermetic enclosure that surrounds said input and output surface acoustic wave circuits and said function circuit.
 - 6. The module as recited in Claim 1 wherein said input and output surface acoustic wave circuits are located on a common piezoelectric substrate.

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7. The module as recited in Claim 6 wherein a crosstalk shield is located between said input and output surface acoustic wave circuits.

- A method of manufacturing a circuit module, comprising:
 providing a common base;
- placing an input surface acoustic wave circuit on said common
- 4 base;
- 5 placing an output surface acoustic wave circuit on said common
- 6 base;

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- 7 placing a function circuit on said common base;
- coupling said input surface acoustic wave circuit to an input

 for said function circuit to allow said input surface acoustic wave

 circuit to condition an input signal provided to said function

 circuit; and

 coupling said output surface acoustic wave circuit to an

 output of said function circuit to allow said output surface

coupling said output surface acoustic wave circuit to an output of said function circuit to allow said output surface acoustic wave circuit to condition an output signal produced by said function circuit.

- 9. The method as recited in Claim 8 wherein said function2 circuit is selected from the group consisting of:
- 3 a power amplifier,
- 4 a low-noise amplifier,
- 5 an intermediate frequency amplifier, and
- 6 a voltage-controlled oscillator.

- 10. The method as recited in Claim 8 wherein said output surface acoustic wave circuit impedance-matches said output signal produced by said function circuit.
- The method as recited in Claim 8 wherein said common base
 comprises ceramic.
 - 12. The method as recited in Claim 8 further comprising forming a hermetic enclosure about said input and output surface acoustic wave circuits and said function circuit.

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- 13. The method as recited in Claim 8 wherein said input and output surface acoustic wave circuits are located on a common piezoelectric substrate placed on said common base.
- 14. The method as recited in Claim 13 further comprising forming a crosstalk shield between said input and output surface acoustic wave circuits.

15. A module, comprising:

2 a function circuit;

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an input surface acoustic wave circuit, located within said module and couplable to an input of said function circuit, that conditions an input signal provided to said function circuit;

an output surface acoustic wave circuit, located within said module and couplable to an output of said function circuit, that conditions an output signal produced by said function circuit; and

an enclosure that surrounds said input and output surface acoustic wave circuits and said function circuit.

16. The module as recited in Claim 15 wherein said function circuit is selected from the group consisting of:

a power amplifier,

a low-noise amplifier,

an intermediate frequency amplifier, and

a voltage-controlled oscillator.

17. The module as recited in Claim 15 wherein said output surface acoustic wave circuit impedance-matches said output signal produced by said function circuit.

- 18. The module as recited in Claim 15 further comprising a common base that supports said input and output surface acoustic wave circuits and said function circuit.
- 19. The module as recited in Claim 15 wherein said enclosure 2 is hermetic.
 - 20. The module as recited in Claim 15 wherein said input and output surface acoustic wave circuits are located on a common piezoelectric substrate.

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21. The module as recited in Claim 20 wherein a crosstalk shield is located between said input and output surface acoustic wave circuits.